

## Mycobacteria and Nocardia Culture, Cystic Fibrosis, Varies

**Test ID:** CFCTB

**Useful for:**

Detection and identification of nontuberculous *Mycobacterium* species from respiratory specimens of patients with cystic fibrosis

**Clinical Information:**

This culture combines a traditional mycobacterial culture with an additional plate medium called NTM (nontuberculous mycobacteria) Elite agar, which enhances recovery of nontuberculous mycobacteria from respiratory specimens of patients with cystic fibrosis or other chronic pulmonary infections such as chronic obstructive pulmonary disease or bronchiectasis.

**Reflex Tests:**

Test ID	Reporting Name	Available Separately	Always Performed
ISMY	ID by 16S Sequencing	No (Bill Only)	No
RMALM	Id MALDI-TOF Mass Spec AFB	No (Bill Only)	No
RTBSP	Id, Mtb Speciation, PCR	No (Bill Only)	No
TBT	Concentration, Mycobacteria	No (Bill Only)	No
TISSR	Tissue Processing	No (Bill Only)	No
LCTB	Id, MTB complex Rapid PCR	No (Bill Only)	No

**Methods:**

Automated Detection of Positive Cultures followed by Organism Identification /DNA Sequencing/Matrix Assisted Laser Desorption/Ionization Time-of-Flight (MALDI-TOF) Mass Spectrometry

**Reference Values:**

Negative

## Specimen Requirements:

- Specimen Type:** Respiratory fluid
- Sources:** Bronchoalveolar lavage fluid, bronchial washing, sputum (saliva is **not acceptable**)
- Container:** Sterile Container
- Specimen Volume:** 3 to 5 mL
- Collection Instructions:**
1. Collect 3 separate respiratory specimens for acid-fast smears and culture in patients with clinical and chest X-ray findings compatible with tuberculosis.
  2. These 3 specimens should be collected at 8 to 24-hour intervals (24 hours when possible) and should include at least 1 first-morning specimen.
- Minimum Volume:** See Specimen Required

## Specimen Stability Information:

Specimen Type	Temperature	Time
Varies	Refrigerated (preferred)	7 days
	Ambient	7 days

## Cautions:

Recovery of mycobacteria is dependent on the number of organisms present in the specimen, specimen collection methods, methods of processing, and patient factors such as use of anti-mycobacteria therapy.

## CPT Code:

- 87116-Mycobacterial Culture
- 87015-Mycobacteria Culture, Concentration (if appropriate)
- 87118-Id MALDI-TOF Mass Spec AFB (if appropriate)
- 87150-Id, Mtb Speciation, PCR (if appropriate)
- 87153-Mycobacteria Identification by Sequencing (if appropriate)
- 87176-Tissue Processing (if appropriate)
- 87150- Id, MTB complex Rapid PCR (if appropriate)

**Day(s) Performed:** Monday through Sunday

**Report Available:** 42 to 45 days

## Questions

Contact Joshua Yang, Laboratory Resource Coordinator at 800-533-1710.